### When votes count

From Sandy Johnson Ian Stewart's article on the mathematics of voting seems to take pleasure in the fact that no voting system is perfect, while failing to acknowledge that the relative merits of voting systems should be investigated and qualitatively assessed (1 May, p 28).

To my mind, the voting system here in Australia has several advantages, not least of which is that preference voting means every vote counts. You can vote for a minor party, assured that if it turns into a race between the two major parties then your order of preference, and your vote, counts.

In addition, enforcing mandatory voting means that the result is truly representational of the total electorate. Political parties must attempt to appeal to everyone - as everyone will vote. This encourages politicians to consider the effects of policies over the whole socioeconomic spectrum. With this system

everyone votes, and every vote counts.

Mandatory voting affects results far more than the exceptional cases given prominence by Stewart's article. He would also do well to consider the preferential, proportional system used in the Australian Senate, and the advantages that brings to a government's second house.

No system is perfect, but some are a lot better than others. Freshwater, New South Wales, Australia

From David Goddard Ian Stewart predicts an ordering paradox arising from a preferential voting system. It is not a paradox at all: it is merely a dead heat. Each notional candidate has received an equal number of first, second and third preference votes, so surely it would be something of a flaw if the system were to identify a victor in such circumstances. While a draw would provide a practical challenge were it to



of voters such a result becomes vanishingly unlikely.

From David Monkman There are difficulties in turning the total national party votes into a proportional number of MPs for each party. The solution lies in giving each MP multiple votes when they come to vote in parliament. The number of votes a particular MP could wield would be calculated by taking all the votes for their party, from every constituency and sharing them evenly between all its MPs.

Every party that had at least one MP elected would be proportionally represented, and the important MP-constituency link is maintained. Vitally, voter turnout would probably increase. because no vote, even in a safe seat, would be wasted. Above all else the result would be fair. Ramsey St Mary's,

# happen, with a realistic number

estimate of 1.5 million species of fungi, with the number of alrea named species closer to 100,00 than your value of 70,000.

All the larger organisms upo which this feature focused so closely have intimate interaction with numerous microbes. Thus for each plant species that goes extinct, diverse microbial symbionts may also be doome

As Tom Curtis stated: "If the blue whale choked to death on t last panda it would be disastrou but not the end of the world. But if we accidentally poisoned the last two species of ammonia oxidisers, that would be another matter. It could be happening now and we wouldn't even know (Nature Reviews Microbiology. vol 4, p 488).

There is more to biological conservation than simply anima and plants. Aberystwyth, Ceredigion, UK

The editor writes:

■ There is no central catalogue for recording species description and there may be considerable double counting, hence the current estimate. Microbial numbers are particularly uncertain: the American Society of Microbiology published a report in 2007 questioning the notion of species at this level, given the degree of horizontal gene transfer.

From John Morris Your article on biodiversity fails to mention the effects of geology, topography and soils. While working in land development in North Borneo (now part of Malaysia) in the 1950s and 1960s, I saw aerial photographs of the natural forest prior to its destruction. It was possible to identify areas of land with particular soils by marking the boundaries of the different natural forest species groups. The forest species groups that occupied soils derived from basalts differed from those on

soils derived from andesites.

# Eniama Number 1596

## Semi-detached BOR WALKER

(each stamp still attached to at least one other) with any value from values this could only be achieved

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The winner John Shrimpton, Kirkby-in-Furness, Cumbria, UK

# On biodiversity

From Gareth Griffith, Institute of Biological, Environmental and Rural Sciences It is a major oversight that your article on biodiversity mentions micro-organisms only fleetingly (24 April, p 32).

Furthermore, you report that "our best estimates so far give the number of species between 1.4 and 1.9 million". These numbers ignore David Hawksworth's widely accepted